

Title (en)

Key and button arrangement for a portable, foldable electronic device comprising at least two use positions

Title (de)

Taste und Tastenanordnung für ein tragbares klappbares elektronisches Gerät mit zumindest zwei Betriebslagen

Title (fr)

Touche et agencement de bouton d'un clavier pour un appareil électronique portable et pliable avec au moins deux positions utiles

Publication

EP 1178649 B1 20060510 (EN)

Application

EP 01660143 A 20010719

Priority

FI 20001744 A 20000803

Abstract (en)

[origin: EP1686769A1] The invention relates to a handle arrangement for a portable, foldable electronic device (1) comprising two or more use positions and comprising at least two housing parts (6, 9) foldable in relation to each other and a hinge mechanism (36) arranged for connecting and folding the first and the second housing parts (1, 9) in relation to each other. The handle arrangement comprises a handle-like third housing part (2) arranged for holding the device (1) in the different use positions. The third housing part (2) comprises at least one key button (4, 5) within the reach of the fingers for controlling the electronic functions of the device (1), and a navigation key (3) within the reach of the forefinger. The navigation key is equipped with a push-button function and arranged rotatable in at least two opposite directions.

IPC 8 full level

H04M 1/02 (2006.01); **H05K 5/02** (2006.01); **G06F 1/16** (2006.01)

CPC (source: EP US)

G06F 1/1616 (2013.01 - EP US); **G06F 1/1624** (2013.01 - EP US); **G06F 1/1641** (2013.01 - EP US); **G06F 1/1647** (2013.01 - EP US); **G06F 1/1679** (2013.01 - EP US); **G06F 1/1686** (2013.01 - EP US); **H04M 1/0214** (2013.01 - EP US); **H04M 1/0247** (2013.01 - EP US); **H04M 1/236** (2013.01 - EP US); **H04M 1/0216** (2013.01 - EP US); **H04M 1/0237** (2013.01 - EP US); **H04M 1/233** (2013.01 - EP US); **H04M 2250/52** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1178649 A2 20020206; **EP 1178649 A3 20040107**; **EP 1178649 B1 20060510**; AT E326112 T1 20060615; AT E402560 T1 20080815; DE 60119451 D1 20060614; DE 60119451 T2 20061102; DE 60135041 D1 20080904; EP 1686769 A1 20060802; EP 1686769 B1 20080723; FI 118621 B 20080115; FI 20001744 A0 20000803; FI 20001744 A 20020204; JP 2002149277 A 20020524; JP 4663925 B2 20110406; US 2002044425 A1 20020418; US 7202906 B2 20070410

DOCDB simple family (application)

EP 01660143 A 20010719; AT 01660143 T 20010719; AT 06113602 T 20010719; DE 60119451 T 20010719; DE 60135041 T 20010719; EP 06113602 A 20010719; FI 20001744 A 20000803; JP 2001236856 A 20010803; US 91810001 A 20010730